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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX,

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ENERGY, INSPEC

NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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=> FIL REGISTRY

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 JAN 2003 HIGHEST RN 482573-45-5
DICTIONARY FILE UPDATES: 28 JAN 2003 HIGHEST RN 482573-45-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s wevlcwtwetcer/sqsp
L1 7 WEVLCWTWETCER/SQSP

=> FIL BIOSIS MEDLINE CAPLUS EMBASE SCISEARCH PCTFULL USPATFULL USPAT2 EUROPATFULL

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=> s l1
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L2 3 L1

=> d l2 py pn au ti so ab

L2 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
PY 2001
AU Roberge, Martin; Santell, Lydia; Dennis, Mark S.; Eigenbrot, Charles; Dwyer, Mary A.; Lazarus, Robert A.
TI A novel exosite on coagulation factor VIIa and its molecular interactions with a new class of peptide inhibitors
SO Biochemistry (2001), 40(32), 9522-9531
CODEN: BICHAW; ISSN: 0006-2960
AB A new inhibitory peptide binding exosite on the protease domain of coagulation Factor VIIa (FVIIa) has been identified. A novel series of peptide inhibitors of FVIIa, termed the "A-series" peptides, identified from peptide phage libraries and exemplified by peptide A-183, specifically bind at a site that is distinct from both the active site and the exosite of another recently described peptide inhibitor of FVIIa, E-76. Peptide A-183 prolonged TF-dependent clotting in human, but not rabbit plasma. Thus, a panel of human FVIIa mutants, contg. 70 of the 76 rabbit sequence differences in the protease domain, localized the binding site to residues in the 60s loop and the C-terminus. The location of the exosite was refined by a series of FVIIa alanine mutants, which showed that proximal residues Trp 61 and Leu 251 were crit. for binding. Kinetic and equil. binding consts. for zymogen FVII, FVIIa and TF.cntdot.FVIIa

were detd. using immobilized N-terminal biotinylated A-183 by surface plasmon resonance. No peptide binding to nine other human serine proteases was obsd. Key residues on the peptide were detd. from binding to FVIIa and inhibition of FX activation using a series of alanine mutants of A-183 fused to the Z domain of protein A. Anal. of the mutagenesis data is presented in the context of a crystal structure of A-183 in complex with a version of zymogen FVII. The shape and proximity of this exosite to the active site may lend itself towards the design of new anticoagulants that inhibit FVIIa.

=> d l2 py pn au ti so ab 2-3

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
PY 2001
AU Dennis, Mark S.; Roberge, Martin; Quan, Cliff; Lazarus, Robert A.
TI Selection and characterization of a new class of peptide exosite inhibitors of coagulation factor VIIa
SO Biochemistry (2001), 40(32), 9513-9521
CODEN: BICHAW; ISSN: 0006-2960
AB A new series of peptide inhibitors of human Factor VIIa (FVIIa) has been identified and affinity matured from naive and partially randomized peptide phage libraries selected against the immobilized tissue factor.cntdot.Factor VIIa (TF.cntdot.FVIIa) complex. These "A-series" peptides contain a single disulfide bond and a 13-residue minimal core required for maximal affinity. They are exemplified by peptide A-183 (EEWEVLCWTWETCER), which binds at a newly identified exosite on the FVIIa protease domain, described in the accompanying report [Roberge, M., Santell, L., Dennis , M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) Biochem. 40, XXXXX-XXXXX]. A-183 was obtained from a trypsin digest of A-100-Z, a recombinant protein comprising A-183 and the Z domain of protein A. Surprisingly, A-183 was a very potent inhibitor of TF.cntdot.FVIIa, inhibiting activation of Factor X (FX) and Factor IX and amidolytic activity of Chromozym t-PA with IC50 values of 1.6 .+-. 1.2, 3.5 .+-. 0.3, and 8.5 .+-. 3.5 nM, resp. Kinetic anal. revealed that A-183 was a partial (hyperbolic) mixed-type inhibitor of FX activation having a Ki of 200 pM as well as a partial competitive inhibitor of amidolytic activity. The A-series peptides were also specific and potent inhibitors of TF-dependent clotting as measured in a prothrombin time (PT) clotting assay and had no effect on the TF-independent activated partial thromboplastin time. At satg. concns. of peptide, the maximal extent by which A-183 and A-100-Z inhibited the rate of FX activation was 78 .+-. 3 and 89 .+-. 6%, resp. The degree of inhibition of the rate of FX activation correlated with a max. fold prolongation in the PT assay of 1.8-fold for A-183 and 3.3-fold for A-100-Z. The A-series peptides represent a new class of peptide exosite inhibitors that are capable of attenuating, rather than completely inhibiting, the activity of TF.cntdot.FVIIa, potentially leading to anticoagulants with an increased therapeutic window.

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
PY 2001
2002

PATENT NO.	KIND	DATE
PI WO 2001010892	A2	20010215
EP 1203014	A2	20020508

IN Dennis, Mark S.
TI Factor VIIa antagonists for diagnostic or therapeutic use
SO PCT Int. Appl., 80 pp.

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CODEN: PIXXD2

AB This invention provides novel compds. which prevent or block a FVIIa mediated or assocd. process or event such as the catalytic conversion of FX to FXa, FVII to FVIIa or FIX to FIXa. In particular aspects, the compds. of the invention bind Factor VIIa (FVIIa), its zymogen Factor VII (FVII) and/or block the assocn. of FVII or FVIIa with a peptide compd. of the present invention. The invention also provides pharmaceutical compns. comprising the novel compds. as well as their use in diagnostic, therapeutic, and prophylactic methods.